Register your product and get support at

www.philips.com/welcome

32PFL5604/77
32PFL5604/78
42PFL5604/77
42PFL5604/78

EN User manual

PHILIPS

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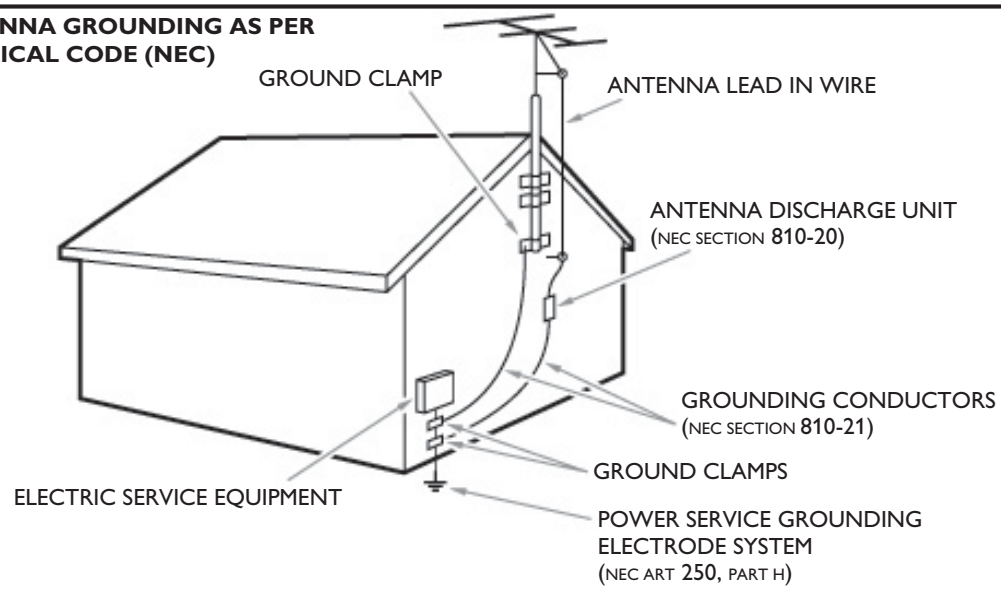
IMPORTANT SAFETY INSTRUCTIONS
Read before operating equipment

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturers instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and third grounding prong. The wide blade or third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. This product may contain lead or mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance:www.eiae.org.
16. **Damage Requiring Service** - The appliance should be serviced by qualified service personnel when:

A. The power supply cord or the plug has been damaged; or
B. Objects have fallen, or liquid has been spilled into the appliance; or
C. The appliance has been exposed to rain; or
D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
E. The appliance has been dropped, or the enclosure damaged.

17. **Tilt/Stability** - All televisions must comply with recommended international global safety standards for tilt and stability properties of its cabinets design.
    - Do not compromise these design standards by applying excessive pull force to the front, or top, of the cabinet which could ultimately overturn the product.
    - Also,do not endanger yourself, or children, by placing electronic equipment/toys on the top of the cabinet. Such items could unsuspectingly fall from the top of the set and cause product damage and/or personal injury.
18. **Wall or Ceiling Mounting** - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
19. **Power Lines** - An outdoor antenna should be located away from power lines.
20. **Outdoor Antenna Grounding** - If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Section 810 of the National Electric Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mats and supporting structure grounding of the lead-in wire to an antenna-discharge unit, size of grounding connectors, location of antenna-discharge unit, connection to grounding electrodes and requirements for the grounding electrode. See Figure below.
21. **Objects and Liquid Entry** - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
    a) Warning: To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture and objects filled with liquids, such as vases should not be placed on this apparatus.
22. **Battery Usage CAUTION** - To prevent battery leakage that may result in bodily injury, property damage, or damage to the unit:
    - Install all batteries correctly, with + and - alignment as marked on the unit.
    - Do not mix batteries (old and new or carbon and alkaline, etc.)
    - Remove batteries when the unit is not used for a long time.

EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE (NEC)



Note to the CATV system installer: this reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

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1 Notice

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Philips cannot be held responsible neither for any errors in the content of this document nor for any problems as a result of the content in this document. Errors reported to Philips will be adapted and published on the Philips support website as soon as possible.

Pixel characteristics

This LCD product has a high number of color pixels. Although it has effective pixels of 99.999% or more, black dots or bright points of light (red, green or blue) may appear constantly on the screen. This is a structural property of the display (within common industry standards) and is not a malfunction.

Warranty

No components are user serviceable. Do not open or remove covers to the inside of the product. Repairs may only be done by Philips Service Centres and official repair shops. Failure to do so shall void any warranty, stated or implied.
Any operation expressly prohibited in this manual, any adjustments, or assembly procedures not recommended or authorised in this manual shall void the warranty.

Compliance with EMF

Koninklijke Philips Electronics N.V. manufactures and sells many products targeted at consumers, which, like any electronic apparatus, in general have the ability to emit and receive electromagnetic signals.
One of Philips' leading Business Principles is to take all necessary health and safety measures for our products, to comply with all applicable legal requirements and to stay well within the EMF standards applicable at the time of producing the products.
Philips is committed to develop, produce and market products that cause no adverse health effects. Philips confirms that if its products are handled properly for their intended use, they are safe to use according to scientific evidence available today.
Philips plays an active role in the development of international EMF and safety standards, enabling Philips to anticipate further developments in standardisation for early integration in its products.

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® Kensington and Micro Saver are registered US trademarks of ACCO World corporation with issued registrations and pending applications in other countries throughout the world.

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2 Important

Read and understand all instructions before you use your TV. If damage is caused by failure to follow instructions, the warranty does not apply.

Safety

- Risk of electric shock or fire!
  - Never expose the TV to rain or water. Never place liquid containers, such as vases, near the TV. If liquids are spilt on or into the TV, disconnect the TV from the power outlet immediately. Contact Philips Consumer Care to have the TV checked before use.
  - Never place the TV, remote control or batteries near naked flames or other heat sources, including direct sunlight.
    To prevent the spread of fire, keep candles or other flames away from the TV, remote control and batteries at all times.

  - Never insert objects into the ventilation slots or other openings on the TV.
  - When the TV is swiveled ensure that no strain is exerted on the power cord. Strain on the power cord can loosen connections and cause arcing.
- Risk of short circuit or fire!
  - Never expose the remote control or batteries to rain, water or excessive heat.
  - Avoid force coming onto power plugs. Loose power plugs can cause arcing or fire.
- Risk of injury or damage to the TV!
  - Two people are required to lift and carry a TV that weighs more than 25 kg.
  - When stand mounting the TV, use only the supplied stand. Secure the stand to the TV tightly. Place the TV on a flat, level surface that can support the combined weight of the TV and the stand.
  - When wall mounting the TV, use only a wall mount that can support the weight of the TV. Secure the wall mount to a wall that can support the combined weight of the TV and wall mount. Koninklijke Philips Electronics N.V. bears no responsibility for improper wall mounting that results in accident, injury or damage.
- Risk of injury to children!Follow these precautions to prevent the TV from toppling over and causing injury to children:
  - Never place the TV on a surface covered by a cloth or other material that can be pulled away.
  - Ensure that no part of the TV hangs over the edge of the surface.
  - Never place the TV on tall furniture (such as a bookcase) without anchoring both the furniture and TV to the wall or a suitable support.
  - Educate children about the dangers of climbing on furniture to reach the TV.
- Risk of overheating! Never install the TV in a confined space. Always leave a space of at least 10 cm around the TV for ventilation. Ensure curtains or other objects never cover the ventilation slots on the TV.
- Risk of damage to the TV! Before you connect the TV to the power outlet, ensure that the power voltage matches the value printed on the back of the TV. Never connect the TV to the power outlet if the voltage is different.

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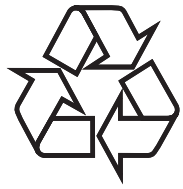
- Risk of injury, fire or power cord damage! Never place the TV or any objects on the power cord.
- To easily disconnect the TV power cord from the power outlet, ensure that you have full access to the power cord at all times.
- When you disconnect the power cord, always pull the plug, never the cable.
- Disconnect the TV from the power outlet and antenna before lightning storms. During lightning storms, never touch any part of the TV, power cord or antenna cable.
- Risk of hearing damage! Avoid using earphones or headphones at high volumes or for prolonged periods of time.
- If the TV is transported in temperatures below 5°C, unpack the TV and wait until the TV temperature matches room temperature before connecting the TV to the power outlet.

Screen care

- Avoid stationary images as much as possible. Stationary images are images that remain on-screen for extended periods of time. Examples include: on-screen menus, black bars and time displays. If you must use stationary images, reduce screen contrast and brightness to avoid screen damage.
- Unplug the TV before cleaning.
- Clean the TV and frame with a soft, damp cloth. Never use substances such as alcohol, chemicals or household cleaners on the TV.
- Risk of damage to the TV screen! Never touch, push, rub or strike the screen with any object.
- To avoid deformations and color fading, wipe off water drops as soon as possible.

Recycling



Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.
When you see the crossed-out wheel bin symbol attached to a product, it means the product is covered by the European Directive 2002/96/EC:

Never dispose of your product with other household waste. Please inform yourself about the local rules on the separate collection of electrical and electronic products. The correct disposal of your old product helps prevent potentially negative consequences on the environment and human health.
Your product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed of with normal household waste.
Please inform yourself about the local rules on separate collection of batteries. The correct disposal of batteries helps prevent potentially negative consequences on the environment and human health.

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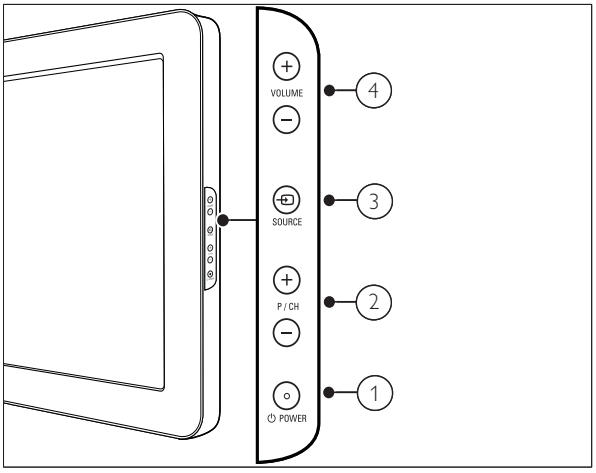
3 Your product

Congratulations on your purchase, and welcome to Philips! To fully benefit from the support that Philips offers, register your product at www.philips.com/welcome.

Product overview

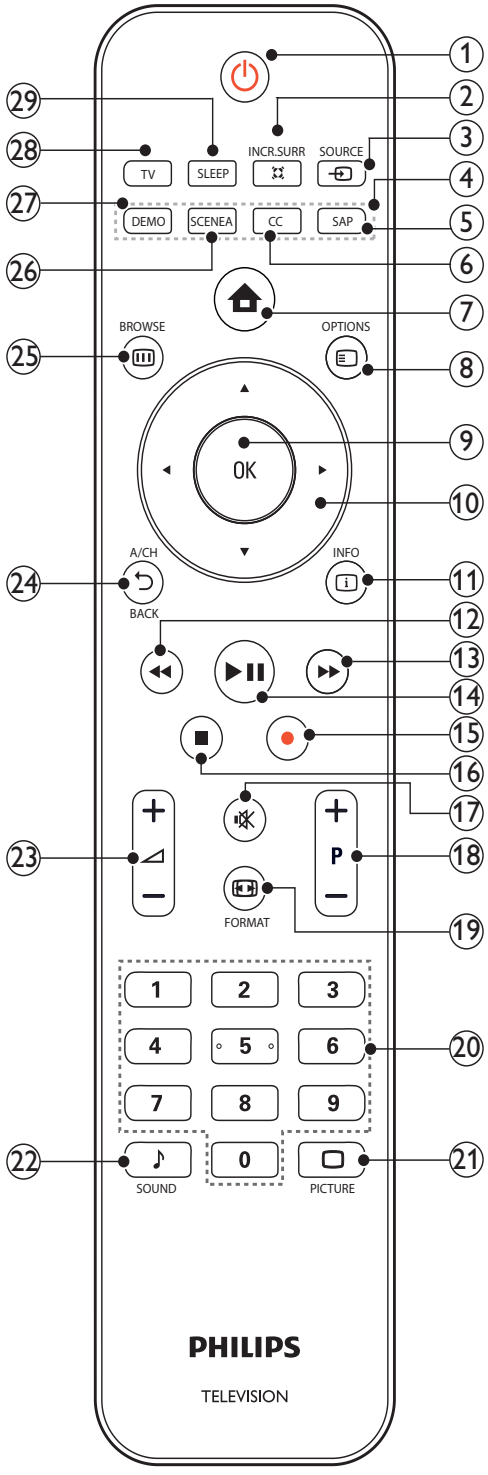
This section gives you an overview of commonly used controls and functions.

Side controls and indicators



1. ⏻ POWER: Switches the TV on or off. The TV is not powered off completely unless it is physically unplugged.
2. P/CH +/- : Switches to the next or previous channel.
3. SOURCE: Selects connected devices.
4. VOLUME +/- : Increases or decreases volume.

Remote control



1. ⏻ (Standby-On)
   - Switches the TV to standby if the TV is on.
   - Switches the TV on if the TV is in standby.

English

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② INCR. SURR
Enables Incredible Surround for stereo sources. Enables spatial mode for mono sources.

③ SOURCE
Selects connected devices.

④ Color buttons
Selects tasks or options.

⑤ SAP (Secondary audio program)
Selects Secondary Audio Program (SAP), stereo or mono.

⑥ CC (Close caption)
Displays closed captions settings.

⑦ (Home)
Toggles the home menu on or off.

⑧ OPTIONS
Accesses options relating to the current activity or selection.

⑨ OK
Confirms an entry or selection.

⑩ ▲▼◀▶ (Navigation buttons)
Navigates through the menus.

⑪ INFO
Displays program information, if available.

⑫ ◀◀ (Backward)
Searches backward.

⑬ ▶▶ (Forward)
Searches forward.

⑭ ▶❚❚ (Play/Pause)
Starts, pauses or resumes disc play.

⑮ ● (Record)
Starts or stops video recording.

⑯ ■ (Stop)
Stops disc play.

⑰ (Mute)
Mutes or restores audio output.

⑱ P +/- (Program +/-)
Switches to the next or previous channel.

⑲ FORMAT
Selects a picture format.

⑳ 0-9 (Numeric buttons)
Selects a channel or setting.

㉑ PICTURE (Smart picture)
Launches the smart picture menu.

㉒ ♪ SOUND (Smart Sound)
Launches the smart sound menu.

㉓ +/- (Volume +/-)
Increases or decreases volume.

㉔ BACK A/CH (Previous channel)
- Returns to a previous screen.
- Toggles between the current channel and the last viewed channel.

㉕ BROWSE
Displays a matrix of channels.

㉖ SCENEA (Wallpaper)
Displays wallpaper on your TV screen.

㉗ DEMO
Toggles the demonstration menu on or off.

㉘ TV
Switches back to the antenna source from EasyLink mode.

㉙ SLEEP
Sets a delay after which the TV switches to standby.

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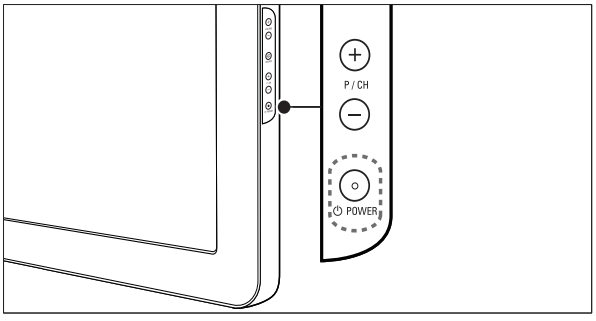
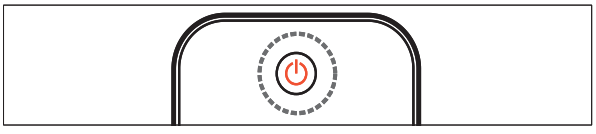
4 Use your product

This section helps you perform basic operations.

Switch your TV on/off or to standby





To switch on

- If the standby indicator is off, press ⏻ **POWER** at the side of the TV.
- If the standby indicator is red, press ⏻ (**Standby-On**) on the remote control.

To switch to standby

- Press ⏻ (**Standby-On**) on the remote control.
  - ↪ The standby indicator switches to red.

To switch off

- Press ⏻**POWER** at the side of the TV.
  - ↪ The standby indicator switches off.

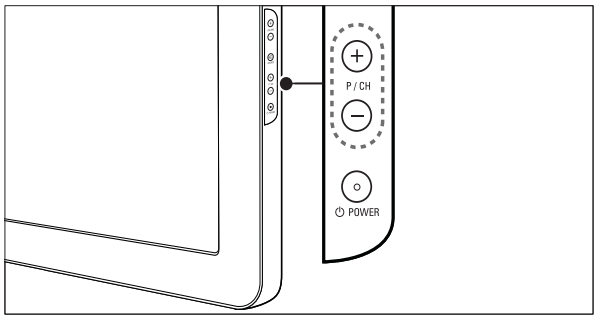
Tip

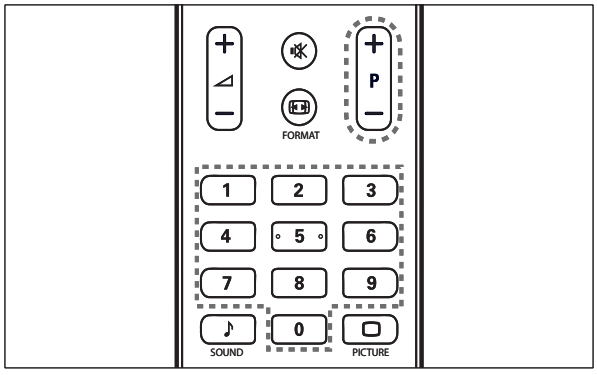
- Though your TV consumes very little power when in standby, energy continues to be consumed. When not in use for an extended period of time, disconnect the TV power cable from the power outlet.

Note

- If you cannot locate your remote control and want to switch on the TV from standby, press **P/CH +/-** at the side of the TV.

Switch channels





- Press ⮌ **BACK A/CH** on the remote control to return to the previously viewed channel.
- Press **CH +/-** on the remote control or **P/CH +/-** on the side of the TV.
- Press **OK** to use the channel matrix.
- Enter a channel number using the **Numeric buttons**.

Note

- When you use a favorite list, you can only select those channels in the list (see 'Select a favorite list' on page 12).

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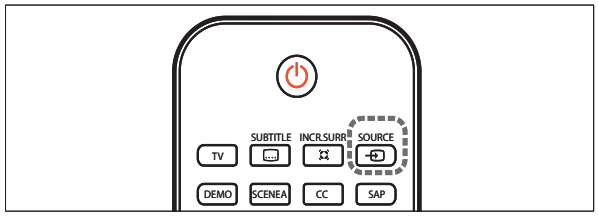
Watch connected devices

Use the source button

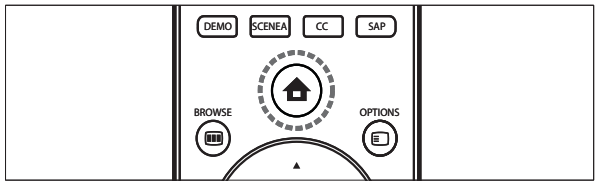


1 Press SOURCE.
↳ The source list appears.

2 Press ▲ or ▼ to select the connected device.

3 Press **OK** to watch the connected device.

Use the home menu



Note

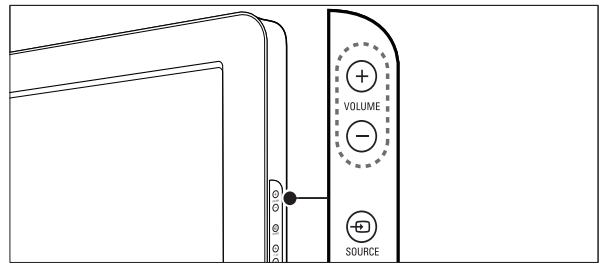
- You can add new devices to the home menu for easy access.

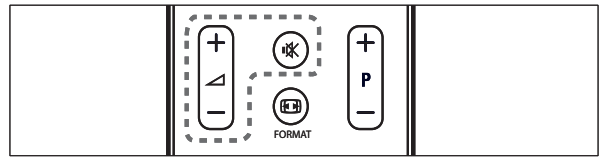
1 Press (**Home**).
↳ The home menu appears.

2 Press ▲▼◀▶ to select the device.

3 Press **OK** to watch the connected device on your TV.

Adjust TV volume





To increase or decrease volume

- Press +/-.
- Press **VOLUME +/-** on the side of the TV.

To mute or unmute sound

- Press to mute the sound.
- Press again to restore the sound.

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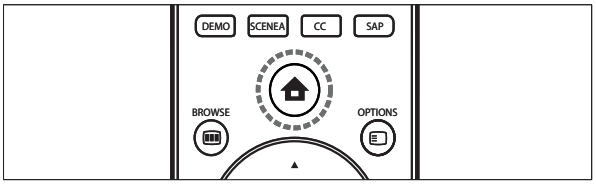
5 Use more of your product

Access TV menus

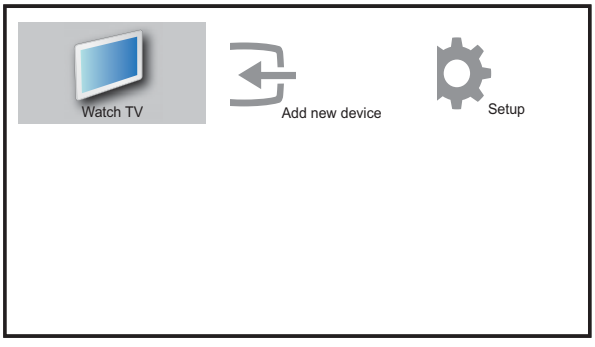
Menus help you to install channels, change picture and sound settings and access other features.

Access the home menu

The home menu gives you easy access to connected devices, picture and sound settings as well as other useful features.



1 Press ⌂ (**Home**).
↳ The menu screen appears.



2 Press the ▲▼◀▶ to select and navigate through one of the following menus.
- **[Watch TV]**Switches back to the antenna source if another source is selected.
- **[Setup]**Accesses menus that allow you to change picture, sound and other TV settings.
- **[Add new device]**Adds new devices to the home menu.

3 Press **OK** to confirm your choice.
4 Press ⌂ (**Home**)to exit.

Tip

- After selecting **[Add new device]**, follow the on-screen instructions to select the correct device and connector.

Remove devices from the home menu

If a device is no longer connected to the TV, remove it from the home menu.

1 Press ⌂ (**Home**).
2 Press ▲▼◀▶ to select a device to remove.
3 Press ☰ **OPTIONS**.
↳ The **[Remove device]** list appears.
4 Press **OK** and select **[Remove]** to remove the device.
↳ The selected device is removed from the home menu.

Change picture and sound settings

Change picture and sound settings to suit your preferences. You can apply pre-defined settings or change settings manually.

Use settings assistant

Use the settings assistant to guide you through the best picture and sound settings.

1 Press ⌂ (**Home**).
2 Press ▲▼◀▶ to select **[Setup]** > **[Picture]** > **[Settings assistant]**.
3 Press **OK**.
↳ The **[Settings assistant]** menu appears. Follow the on-screen instructions to choose your preferred picture settings.

English

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Use smart picture

Use smart picture to apply pre-defined picture settings.

1 Press ▭ **PICTURE**.
↳ The **[Smart picture]** menu appears.

2 Press ▲▼ to select one of the following smart picture settings.
- **[Personal]**Lists customized personal picture settings.
- **[Sports]**Maximizes picture settings.
- **[Standard]**Adjusts picture settings to suit most environments and types of video.
- **[Movie]**Applies picture settings ideally suited for movie viewing.
- **[Game]**Applies picture settings maximized for fast-moving games.
- **[Energy saving]**Applies low-energy picture settings.

3 Press **OK** to confirm your choice.
↳ The selected smart picture setting is applied.

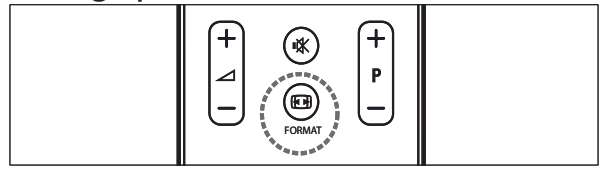
Manually adjust picture settings

1 Press ⌂ (**Home**).

2 Press ▲▼◀▶ to select **[Setup]** > **[Picture]**.
↳ The **[Picture]** menu appears.

3 Press ▲▼◀▶ to select from the following settings and adjust:
- **[Smart picture]** : Accesses pre-defined smart picture settings.
- **[Contrast]** : Adjusts the intensity of bright areas, keeping dark areas unchanged.
- **[Brightness]** : Adjusts the intensity and details of dark areas.
- **[Color]** : Adjusts color saturation.
- **[Hue]** : Compensates color variations in NTSC encoded transmissions.
- **[Sharpness]** : Adjusts the level of sharpness in image details.
- **[Noise reduction]** : Filters and reduces noise in an image.
- **[Color temperature]** : Introduces more orange tones or blue tones to the picture.
- **[Pixel Plus HD]** : Fine tunes each pixel to match surrounding pixels. This produces a brilliant, high-definition image.
  - **[Dynamic contrast]** : Automatically enhances contrast in an image.
  - **[Dynamic backlight]** : Adjusts the brightness of the TV backlight to match lighting conditions.
  - **[Color enhancement]** : Makes colors more vivid and improves the resolution of details in bright colors. You can switch this feature on or off.
- **[PC mode]** : Adjusts picture settings when a PC is connected to the TV.
- **[Light sensor]** : Dynamically adjusts picture settings to match lighting conditions.
- **[Picture format]** : Changes the picture format.
- **[Horizontal shift]** : Adjusts the picture horizontally for PC-VGA or HD input.
- **[Vertical shift]** : Adjusts the picture vertically for PC-VGA or HD input.

Change picture format



1 Press ▭ **FORMAT**.
↳ A picture format bar appears.

2 Press ▲▼ to select a picture format.
↳ The selected picture format is activated.

3 Press **OK** to confirm your choice.

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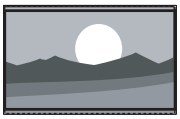
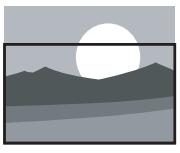
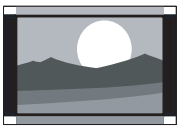
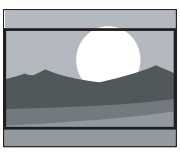
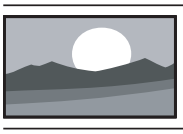
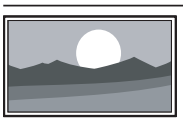
Summary of picture formats

The following picture settings can be configured.

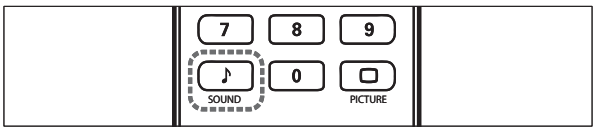
Note

- Depending on the format of the picture source, some picture settings are not available.

	**[Super zoom]**(Not for HD and PC mode.) Removes the black bars on the side of 4:3 broadcasts. There is minimal distortion.
	[4:3]Shows the classic 4:3 format.
	**[Subtitle zoom]**Displays 4:3 pictures over the full area of the screen, with sub-titles visible. Part of the top of the picture is clipped off.
	**[Movie exp.14:9]**(Not for HD and PC mode.) Scales 4:3 format to 14:9.
	**[Movie exp.16:9]**(Not for HD and PC mode.) Scales 4:3 format to 16:9.
	**[Wide screen]**Stretches the classic 4:3 format to 16:9.
	**[Unscaled]**For HD and PC mode only, and in selected models only. Allows maximum sharpness. Some distortion may be present due to the broadcaster's systems. Set your PC resolution to wide screen mode for best results.

Use smart sound

Use smart sound to apply pre-defined sound settings.



1 Press ♪ **SOUND**.
↳ The **[Smart sound]** menu appears.

2 Press ▲▼ to select one of the following smart sound settings.
- **[Standard]**Adjusts sound settings to suit most environments and types of audio.
- **[News]**Applies sound settings ideally suited for spoken audio, such as the news.
- **[Movie]**Applies sound settings ideally suited for movies.
- **[Personal]**Applies the settings that were customized in the sound menu.

3 Press **OK** to confirm your choice.
↳ The selected smart sound setting is applied.

Adjust sound settings

1 Press ⌂ (**Home**).

2 Press ▲▼◀▶ to select **[Setup]** > **[Sound]**.
↳ The **[Sound]** menu appears.

3 Press ▲▼◀▶ to select and adjust:
- **[Smart sound]** : Accesses pre-defined smart sound settings.
- **[Bass]** : Adjusts the bass level.
- **[Treble]** : Adjusts the treble level.
- **[Volume]** : Adjusts the volume.
- **[Balance]** : Adjusts the balance of the right and left speakers to best suit your listening position.
- **[Stereo/Mono/SAP]** : Selects between audio languages if dual sound is broadcast.
- **[TV speakers]** : Sets the TV speakers on or off, or outputs sound to an EasyLink-compliant device.

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[EasyLink] must be activated in the **[Preferences]** menu to make the **[TV speakers]** menu available.

- **[Surround]** : Enables spatial sound.
- **[Headphone volume]** : Adjusts headphone volume.
- **[Auto volume]** : Automatically reduces sudden volume changes, for example, when switching channels. When enabled, this produces a more consistent audio volume.
- **[Delta volume]** : Corrects volume differences between TV channels and connected devices (switch to your connected device when adjusting **[Delta volume]**).

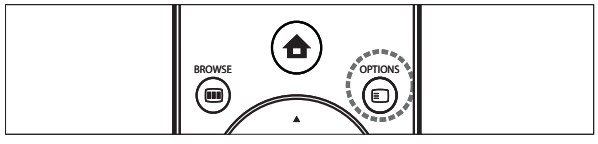
Create and use lists of favorite channels

You can create lists of your preferred TV channels and radio stations so that you can find those channels easily.

Tip

- You can create and store up to four favorite lists on your TV.

Select a favorite list



1 When watching TV, press **OK** to display the channel grid.
2 Press ▤ **OPTIONS**.
↳ The channel options menu appears.
3 Press **OK** to select **[Show favorite ch.]**.
↳ The favorite lists appear.
4 Press ▲▼ to select a favorite list.
5 Press **OK**.
↳ Only channels in the favorite list appear in the channel grid.

Add a channel to a favorite list

Tip

- View all channels before adding a channel to a favorite list.

1 When watching TV, switch to the channel you want to add to a favorite list (see 'Switch channels' on page 7).
2 Press ▲▼◀▶ to select a channel to add to a favorite list.
3 Press ▤ **OPTIONS**.
↳ The channel options menu appears.
4 Press ▲▼ to select **[Mark as favorite]**.
5 Press **OK**.
↳ The favorite lists appear.
6 Press ▲▼ to select a favorite list to add the channel to.
7 Press **OK**.
↳ The channel is added to the favorite list.

Tip

- When watching TV, press ▤ **OPTIONS** > **[Mark as favorite]** to save the current channel into a favorite list.

Remove a channel from a favorite list

Note

- Select the favorite list to edit, before removing a channel.

1 When watching TV, press **OK** to display the channel grid.
2 Press ▤ **OPTIONS**.
↳ The channel options menu appears.
3 Press **OK** to enter **[Show favorite ch.]**.
4 Press ▲▼ to select a favorite list and press **OK** to confirm the choice.

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5 Press ▲▼◀▶ to choose the channel that you wish to remove from the list.
6 Press OPTIONS.
7 Press ▲▼ to select **[Unmark as fav.]**.
8 Press **OK**.
↳ The channel is removed from the favorite list.

Use timers

You can set timers to switch the TV on or switch to standby at a specified time.

Automatically switch the TV to standby (sleeptimer)

Sleeptimer switches the TV to standby after a pre-defined period of time.

Tip

- You can always switch off your TV earlier or reset the sleeptimer during the countdown.

1 Press ⌂ (**Home**).
2 Press ▲▼◀▶ to select **[Setup]** > **[Features]** > **[Sleep timer]**.
↳ The **[Sleep timer]** menu appears.
3 Press ◀▶ to set the sleep time.
↳ The sleeptimer can be up to 180 minutes in steps of five minutes. If set to zero minutes, the sleeptimer is switched off.
4 Press **OK** to activate the sleeptimer.
↳ The TV switches to standby after the pre-defined period of time.

Automatically switch the TV on (on timer)

You can switch the TV to a specified channel at a specified time, from standby.

1 Press ⌂ (**Home**).
2 Press ▲▼◀▶ to select **[Setup]** > **[Features]** > **[On timer]**.
3 Press ▶ to enter the **[On timer]** menu.
4 Press ▲▼◀▶ to select **[Activate]** and set a day of the week or frequency.
5 Press **OK** to confirm.
6 Press ▲▼◀▶ to select **[Time]** and set the starting time.
7 Press **[Done]** to confirm.
8 Press ▲▼◀▶ to select **[Program no.]** and set the channel.
9 Press **OK** to confirm.
10 Press ⌂ (**Home**) to exit.

Tip

- Select **[On timer]** > **[Activate]** > **[Off]** to disable **[On timer]**.
- When **[On timer]** is **[Off]**, only **[Activate]** can be selected.
- Set the TV clock before activating **[On timer]**feature.

Use child control

You can prevent your children from watching certain programs or certain channels by locking the TV controls.

Set or change your PIN code

1 Press ⌂ (**Home**).
2 Press ▲▼◀▶ to select **[Setup]** > **[Features]** > **[Change/Set code]**.
↳ The **[Change/Set code]** menu appears.
3 Enter the code with the **Numeric buttons**.
↳ A message appears confirming that your code is created or changed.

Tip

- If you forget your code, enter '0711' to override any existing codes.

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Lock or unlock the TV

Locking the TV prevents your child from accessing all channels and connected devices.

1. Press ⌂ (**Home**).
2. Press ▲▼◀▶ to select **[Setup]** > **[Features]** > **[TV lock]**.
3. Press ▶ to enter the **[TV lock]**.
   ↳ A screen appears prompting you to enter code.
4. Enter your code using **Numeric buttons**.
5. Press ▲▼ to select **[Lock]** or **[Unlock]**.
6. Press **OK**.
   ↳ All channels and connected devices are locked or unlocked.
7. Press ⌂ (**Home**) to exit.

Note

- If you select **[Lock]**, you have to enter your code every time you turn on your TV.

Lock or unlock one or more channels

1. When watching TV, press **OK** to display the channel grid.
2. Press ▲▼◀▶ to select a channel to lock or unlock.
3. Press ☰ **OPTIONS**.
4. Press ▲▼ to select **[Lock/Unlock chan.]**.
5. For each selection, press **OK** to lock or unlock the channel.

Use the TV clock

You can display a clock on the TV screen. The clock displays the current time using time data received from your TV service operator.

Display the TV clock

1. When watching TV, press ☰ **OPTIONS** .
   ↳ The TV options menu appears.
2. Select **[Clock]**.
3. Press **OK**.
   ↳ The clock is displayed.

Note

- The clock is disabled automatically after ten minutes. To disable the clock before that, repeat this procedure.

Change the clock mode

Note

- Not available in all models.

1. Press ⌂ (**Home**).
2. Select **[Installation]** > **[Clock]** > **[Auto clock]**.
   ↳ The **[Auto clock]** menu appears.
3. Select **[Automatic]** or **[Manual]**.

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View photos, play music and watch video from a USB storage device

Caution

- Philips is not responsible if the USB storage device is not supported nor is it responsible for damage or loss of data from the device.

Your TV is fitted with a USB connector that enables you to view photos, listen to music or watch movies stored on a USB storage device.

Supported file formats	
Pictures	JPEG (non-progressive only)
Music	MP3
Video	MP4, RM, RMVB

Note

- Only FAT or DOS-formatted USB storage devices are supported. File names must not exceed 128 characters.

Connect a USB storage device and enter the content browser

1 Turn on the TV.
2 Connect the USB device to the USB port on the side of the TV.
3 Press ⌂ (**Home**).
↳ The home menu appears.
4 Press ▲▼◀▶ to select **[Browse USB]**.
5 Press **OK** to confirm.
↳ The USB content browser appears.

Note

- If you connect multiple USB storage devices via USB hub, a message appears prompting you to select a device. Press ▲▼ to select the device, then press **OK** to confirm.

Tip

- Press **BROWSE** to switch between thumbnail and file browsing views.

Disconnect a USB storage device

Caution

- Follow this procedure to avoid damage to your USB storage device.

1 Press ⌂ (**Home**) to exit the **[USB]** menu.
2 Wait for five seconds before disconnecting the USB storage device.

View photos

1 In the USB content browser, select **[Picture]** and press ▶ to enter.
2 Press **BROWSE** to switch between thumbnail and file browsing views.
3 Press ▲▼◀▶ to select a photo or a photo album.
4 Press **OK** to view the selected photo in full screen mode.

Tip

- When in full screen mode, press ◀▶ to move between photos.

View a slide show of your photos

1 When a full screen image of a photo is displayed, press **OK** or ▶II.
↳ A slide show begins from the selected image.
2 Press:
- **OK** or ▶II to pause the slide show.
↳ The II icon appears.
- Press ◀◀ or ▶▶ to move between images.
- Press **BACK** or ■ to stop the slide show.

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Change slide show settings

1 When viewing a slide show, press OPTIONS.
↳ The slide show options menu appears.

2 Press ▲▼ to select one of the following.
- **[Start/Stop slide.]**Starts or stops a slide show.
- **[Slideshow trans.]**Sets the transition from one picture to the next.
- **[Slideshow freq.]**Sets the amount of time that a picture is shown.
- **[Rotate image]**Rotates a picture.
- **[Show info]**Displays the picture name, date, size and next picture in the slide show.

3 Press **OK** to confirm your setting.

Listen to music

1 Connect a USB storage device to the USB port on the side of the TV.

2 Press ▶ to enter the menu.

3 Select **[Music]**, and then press ▶ to enter the **[Music]** folder.

4 Press ▲ or ▼ to select a song or a music album.

5 Press **OK** or ▶II to play the selected song or album.
- Press the color buttons on the remote control to perform the functions shown at the bottom of the screen.
- Press **OK** or ▶II to pause, press **OK** or ▶II again to resume.
- Press ▶▶ to fast-forward search.
- Press ◀◀ to fast-backward search.
- Press ■ to stop playback.

Note

- If the function bar at the bottom of the TV screen disappers, press any color button to make it reappear.

View a slide show with music

You can view a slide show of your stored pictures with background music.

1 Select an album of songs.

2 Press **OK**.

3 Select an album of pictures.

4 Press **OK**.

Watch video from a USB device

1 In the USB content browsert, press ▶ to enter the **[VIDEO]** folder.

2 Press ▲▼◀▶ to select a video.

3 Press **OK** or ▶II to play the video.
- Press the color buttons on the remote control to perform the functions shown at the bottom of the screen.
- Press **OK** or ▶II to pause, press **OK** or ▶II again to resume.
- Press ▶▶ to fast-forward search.
- Press ◀◀ to fast-backward search.
- Press ■ to stop playback.

Note

- If the function bar at the bottom of the TV screen disappers, press any color button to make it reappear.

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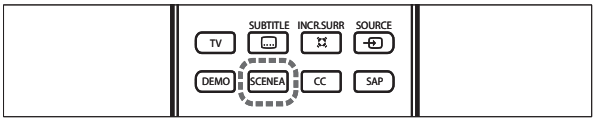
Use Scenea to display a picture as TV wallpaper

You can use the Scenea feature display a still picture as wallpaper on your TV. This feature is for home mode only.

Activate Scenea



Single-picture wallpaper

Press **SCENEA** on your remote control.

↳ The default or pre-loaded picture is displayed.

Note

- To deactivate the wallpaper, press any remote control button except ⏻, ♪ **SOUND**, and ▭ **PICTURE**.
- The wallpaper is also deactivated when you connect a USB storage device to the TV or start an EasyLink-compliant device through one-touch play.

Walllpaper slide show

Make sure the wallpaper is not yet activated.

1. Connect a USB storage device to the TV.
2. Press **SCENEA**.
   ↳ All pictures in the USB storage device are displayed.

Note

- The wallpaper display duration is determined by the pre-defined sleep timer settings (see 'Automatically switch the TV to standby (sleeptimer)' on page 13). When sleep timer is off, the wallpaper is displayed for a maximum of 120 minutes.

Upload a wallpaper picture from a USB device

Before performing this procedure, be sure to have available a USB storage device containing the picture you intend to use as wallpaper.

Note

- The file size of the picture must not be more than 1MB.

1. Connect the USB storage device to the TV.
2. Press ⌂ (**Home**).
   ↳ The home menu appears.
3. Press ▲▼◀▶ to select **[Browse USB]**.
4. Press ▲▼◀▶ to select a picture.
5. Press ▤ **OPTIONS**.
6. Select **[Set as Scenea]**.
7. Press **OK**.

Update the TV software

Philips continuously tries to improve its products and we recommend that you update the TV software when updates are available. Check www.philips.com/support for availability.

Check the current software version

1. Press ⌂ (**Home**).
2. Select **[Setup]** > **[Software update]** > **[Current software]**.

Download the software

1. On your PC, open a web browser and go to www.philips.com/support.
2. Find information and software related to your TV and download the latest software upgrade file to your PC.
3. Decompress the ZIP-file.
4. Copy the autorun.upg file to the root directory of the USB device.

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Update software (analog broadcasts)

Before performing this procedure be sure to:

- Set aside some time to complete the entire update.
- Have available a USB storage device with at least 64MB of storage space.
- Have access to a computer with a USB port and internet access.

1 Press ⌂ (**Home**).
2 Select **[Setup]** > **[Software update]** > **[Update assistant]**.
3 Select **[Start]**.
4 Connect the USB storage device to your computer.
5 Follow the on-screen instructions to complete the update.

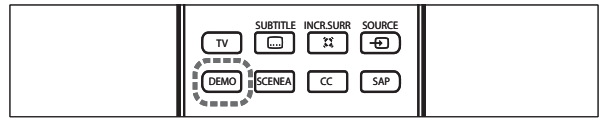
Change TV preferences

The **[Preferences]** menu allows you to customize various features and functions.

1 Press ⌂ (**Home**).
2 Select **[Setup]** > **[Installation]** > **[Preferences]**.
   - **[Location]** : Optimizes TV settings for your location - home or shop.
   - **[Volume bar]** : Displays the volume bar when adjusting the volume.
   - **[EasyLink]** : Enables one-touch play and one-touch standby between EasyLink-compliant devices.
   - **[Pixel Plus Link]** : Overrides the settings of connected devices and uses the settings of the TV.
   - **[E-sticker]** : For shop mode only. Sets the location of the e-sticker.

Start a TV demo

You can use demonstrations to better understand the features of your TV. Some demos are not available on certain models. When a demo is available, it is displayed in the menu list.



1 Press **DEMO** on the remote control.
2 Press ▲▼ to select a demo and press **OK** to view it.
3 Press **DEMO** to exit.

Reset the TV to factory settings

You can restore the default picture and sound settings of your TV. Channel installation settings remain the same.

1 Press ⌂ (**Home**).
2 Select **[Setup]** > **[Installation]** > **[Factory settings]**.
3 Press **OK** or ▶ to enter the **[Factory settings]** menu.
   ↳ **[Reset]** is highlighted.
4 Press **OK** to reset to factory settings.
5 Press ⌂ (**Home**) to exit.

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6 Install channels

The first time you setup your TV, you are prompted to select a menu language and to install TV and digital radio channels (if available). This chapter provides instructions on how to reinstall and fine tune channels.

Automatically install channels

This section describes how to search and store channels automatically.

1 Press ⌂ (**Home**).
2 Select **[Installation]** > **[Channel install.]** > **[Channel assistant]**.
3 Press **OK**.
4 Follow the on-screen instructions to install channels.

Manually install channels

This section describes how to search and store analog TV channels manually.

Step 1 Select your system

Note

- Skip this step if your system settings are correct.

1 Press ⌂ (**Home**).
2 Press ▲▼◀▶ to select **[Setup]** > **[Installation]** > **[Channel install.]** > **[Manual install]**
↳ The **[Manual install]** menu appears.
3 Press ▲▼◀▶ to select and enter **[System]**.
4 Press ▲▼ to select your country or region.
5 Press **OK** to confirm.
6 Press ⌂ (**Home**) to exit.

Step 2 Search and store new TV channels

1 Press ⌂ (**Home**).
2 Press ▲▼◀▶ to select **[Setup]** > **[Installation]** > **[Channel install.]** > **[Manual install]**.
↳ The **[Manual install]** menu appears.
3 Press ▲▼◀▶ to select and enter **[Search]**.
4 Press ▲▼ or use **Numeric buttons** to manually enter the three digit frequency.
5 Press **OK** to begin search.
6 Press ◀ when the new channel is found.
7 Press ▲▼ to select **[Store new channel]** to store the new channel under a new channel number.
8 Press ▶ to enter **[Store new channel]**.
9 Press ◀▶ to select **[Yes]** and press **OK** to store the new channel.
10 Press ⌂ (**Home**) to exit.

Rename channels

Channels can be renamed so that a name of your choice appears whenever the channel is selected.

1 When watching TV, press **OK** to display the channel grid .
2 Select the channel you want to rename.
3 Press ☰ **OPTIONS**.
↳ The channel options menu appears.
4 Press ▲▼ to select **[Rename chan.]** and press **OK**.
↳ A text input box appears.
5 Press ▲▼ to select a character and press ▶ to add another character.
6 Select **[Done]**.
7 Press **OK**.

English

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Rearrange channels

After you install channels, you can rearrange the order in which they appear.

1. When watching TV, press **OK** to display the channel grid .
2. Press **OPTIONS**.
   ↳ The channel options menu appears.
3. Press ▲▼ to select and enter **[Reorder]**.
4. Select the channel you want to reorder and press **OK**.
5. Press ▲▼◀▶ to select the new position for the channel.
6. Press **OK** to confirm the new position.
7. Press **OPTIONS**.
   ↳ **[Done reordering]** appears.
8. Press **OK** to finish reordering.

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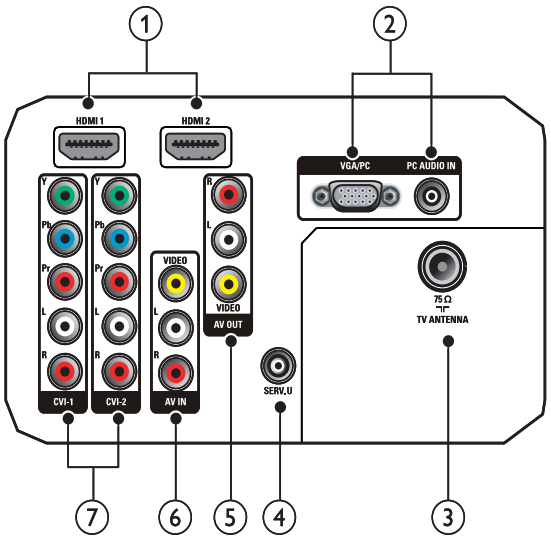
7 Connect devices

This section describes how to connect various devices with different connectors and supplements examples provided in the Quick Start.

Note

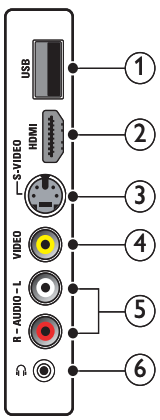
- Different types of connectors may be used to connect a device to your TV, depending on availability and your needs.

Back connectors



1. **HDMI 1/2**
   Digital audio and video input from high-definition digital devices such as Blu-ray players.
2. **VGA/PC and PC AUDIO IN**
   Audio and video input from a computer.
3. **TV ANTENNA**
   Signal input from an antenna, cable or satellite.
4. **SERV. U**
   For use by service personnel only.
5. **AV OUT (VIDEO OUT and AUDIO OUT L/R)**
   Audio and video output to analog devices such as another TV or a recording device.
6. **AV1 (VIDEO IN and AUDIO IN L/R)**
   Analog audio and video input from analog or digital devices such as DVD players, satellite receivers and VCRs.
7. **CVI 1/2 (Y Pb Pr and AUDIO L/R)**
   Analog audio and video input from analog or digital devices such as DVD players or game consoles.

Side connectors



1. **USB**
   Data input from USB storage devices.
2. **HDMI**
   Digital audio and video input from high-definition digital devices such as Blu-ray players.
3. **S-VIDEO**
   S-Video (side) to be used with Audio L/R connectors for camcorder, game console, etc. When you use the S-Video (side) for video signals, do not use the Composite video (side) input for video signals.
4. **VIDEO**
   Composite video input from analog devices such as VCRs.

English

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⑤ AUDIO L/R
Audio input from analog devices connected to **VIDEO** or **S-VIDEO**.

⑥ 🎧
Stereo audio output to headphones or earphones.

Connect a computer

Before you connect a computer to the TV

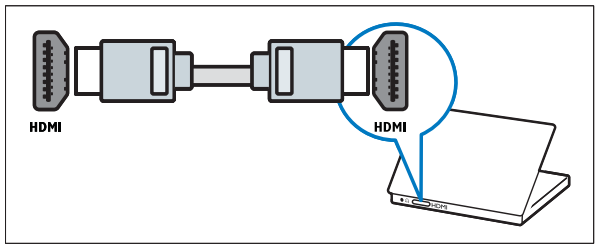
- Set the monitor refresh rate on your computer to 60Hz.
- Press **FORMAT** and change the TV picture format to **[Unscaled]**.

Connect a computer with one of the following connectors:

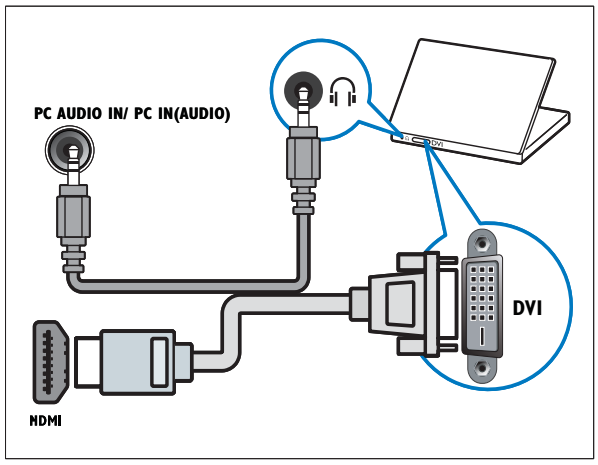
Note

- Connections via DVI or VGA require an additional audio cable.

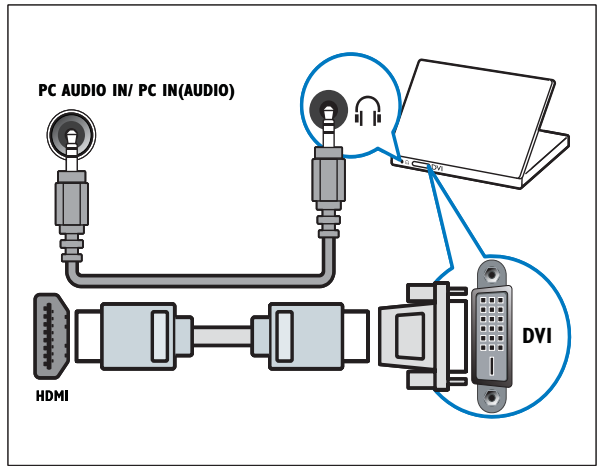
- HDMI cable



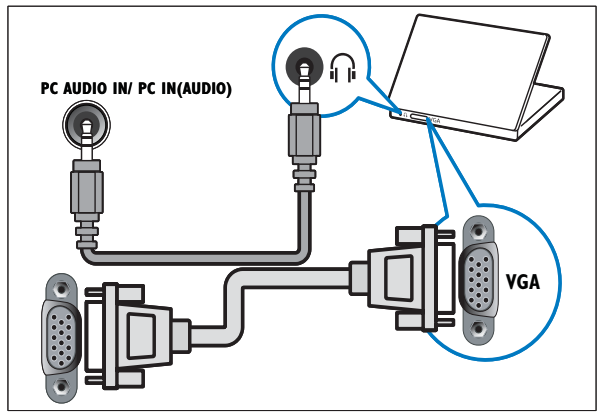
- DVI-HDMI cable



- HDMI cable and HDMI-DVI adaptor



- VGA cable



Use dual view

1 Press ⌂ (**Home**).
2 Select **[Setup]** > **[Features]** > **[Dual View]**.
3 Select **[On]**.
4 Press **OK**.
5 Press **OK** to exit.

Note

- When the dual view mode is turned on, a small window for TV input appears on the upper right-hand corner of the TV screen. The audio output is still from the VGA input.

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Add devices

After connecting devices, assign the device attached to each connector. This allows you to easily identify devices connected to your TV.

1. Press ⌂ (**Home**).
2. Select **[Add new device]** and press **OK**.
3. Select **[Start]** and press **OK**.
4. Press ▲ or ▼ to select a device and press ▶.
5. Press ▲ or ▼ to select the conector your device is connected to and press ▶.
6. If available, press ▲ or ▼ to select the audio connector your device is connected to and press ▶.
7. Switch on your device and check for video and audio output.
8. If there is video and audio output, press **OK**.

Repeat the procedure until all devices are correctly assigned to connectors.

Use Philips EasyLink

Your TV supports Philips EasyLink, which uses the HDMI CEC (Consumer Electronics Control) protocol. EasyLink-compliant devices that are connected through HDMI connectors can be controlled by a single remote control.

Note

- Philips does not guarantee 100% interoperability with all HDMI CEC devices.

Note

- The EasyLink-compliant device must be switched on and selected as the source.

EasyLink features

One-touch play

When you connect your TV to devices that support one-touch play, you can control your TV and the devices with one remote control. For example, when you press Play on your DVD remote control, your TV automatically switches to the correct channel to show the DVD content.

One-touch standby

When you connect your TV to devices that support standby, you can use your TV remote control to put your TV and all connected HDMI devices in standby mode.

System audio control

When you connect your TV to HDMI CEC compliant devices, your TV can switch automatically to play audio from the connected device.

To use one-touch audio, you must map the audio input from the connected device to your TV.

You can use the remote control from the connected device to adjust the volume.

Remote control (RC) key forwarding

RC key forwarding allows you to control EasyLink-compliant devices using your TV remote control.

Pixel Plus Link

Pixel Plus Link overrides the settings of connected devices and uses the settings of the TV.

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EasyLink buttons

You can control EasyLink-compliant devices with the following buttons on the remote control of your TV.

Button	EasyLink function
▶❚❚ (**Play/ Pause**)	Starts, pauses or resumes playback on your EasyLink device.
■ (**Stop**)	Stops playback on your EasyLink device.
● (**Record**)	Starts or stops video recording on your EasyLink device.
◀◀ (**Fast Backward**)	Searches backward.
▶▶ (**Fast Forward**)	Searches forward.
0-9 (**Numeric buttons**)	When EasyLink is enabled, selects a title, chapter or track.
▲▼◀▶	Navigates through the menus of the EasyLink-compliant device.
OK	Activates a selection or accesses the menu of the EasyLink-compliant device.
OPTIONS	Displays the menus of the EasyLink-compliant device. Note that when ⌂ (**Home**) is pressed, the TV menu is displayed.
⏻(**Standby-On**)	When EasyLink is enabled, switches the TV and all EasyLink devices to standby. Note that you must press and hold ⏻ (**Standby-On**) for at least 3 seconds for this to occur.

Tip

- Press **TV** to switch back to the antenna source from EasyLink mode.

Enable or disable EasyLink

Note

- Do not enable Philips EasyLink if you do not intend to use it.

1. Press ⌂ (**Home**).
2. Select **[Installation]** > **[Preferences]** > **[EasyLink]**.
3. Select **[On]** or **[Off]**.

Enable or disable remote control key forwarding

1. Press **OPTIONS**.
2. Select **[En./Dis. RC pass.]**.
3. Press **OK**.
4. Press ▲ or ▼ to highlight an HDMI connector.
5. Press **OK** to enable RC key forwarding for the selected HDMI connector.

Set TV speakers to EasyLink mode

When enabled, this feature automatically turns off TV speakers when content from an EasyLink-compliant home theater system is played. Audio is played only from the home theater system's speakers.

1. Press ⌂ (**Home**).
2. Press ▲▼◀▶ to select **[Setup]** > **[Sound]**.
   ↳ The **[Sound]** menu appears.
3. Select **[TV speakers]**.
   ↳ The **[TV speakers]** menu appears.
4. Select **[Auto (EasyLink)]**.
   ↳ TV speakers are set to EasyLink mode.

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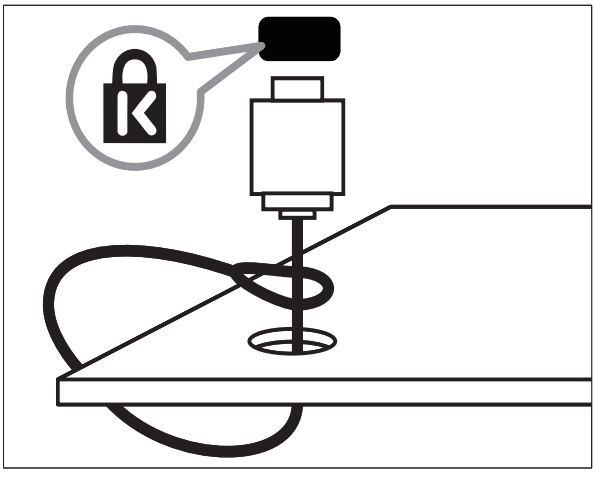
Use a Kensington lock

There is a Kensington security slot at the back of the TV. Prevent theft by looping a Kensington lock between the slot and a permanent object, such as a heavy table.



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8 Product information

Product information is subject to change without notice. For detailed product information, go to www.philips.com/support.

Supported display resolutions

Computer formats
HDMI:

Resolution	Refresh rate (Hz)
640x480	60, 72, 75, 85
800x600	60, 72, 75, 85
1024x768	60, 70, 75, 85
1280x768	60
1280x1024	60
1360x768	60

VGA:

Resolution	Refresh rate (Hz)
640x480	60, 72, 75, 85
800x600	60, 72, 75, 85
1024x768	60, 70, 75, 85
1280x768	60
1280x1024	60
1360x768	60

Video formats

Resolution	Refresh rate (Hz)
720 x 480p	60
720 x 480i	60
720 x 576p	50
720 x 576i	50
1280 x 720p	60
1280 x 720p	50
1920 x 1080i	50, 60
1920x 1080p	24, 25, 30, 50, 60

Tuner/Reception/ Transmission

- Antenna input: 75ohm coaxial (IEC75)
- TV system: NTSC, PAL-M, PAL-N
- Video playback: NTSC, SECAM, PAL

Multimedia

- Connection: USB
- Playback formats: MP4, RM, RMVB, JPEG, MP3

Container	Video Codec	Audio Codec	File extension
mpeg1	MPEG -1	MPEG audio	.dat .mpg
mpeg4	MPEG -4	AAC/ HE-AAC	.avi .mp4
RealMedia	Real Media 8/9/10	AAC, Cook	.rm .rmvb

Remote control

- Batteries: 2 x AAA (R03 type)

Connections

- Headphone out (stereo mini-jack)
- TV antenna
- S-Video
- CVBS in
- CVBS out
- YPbPr: Component video (CVI in)
- VGA in
- HDMI
- VGA Audio in
- USB
- Service connector

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Power

- Mains power: AC 110-240V; 50-60Hz
- Standby power: < 0.15W
- Ambient temperature: 5 to 35 degrees Celsius

Supported TV mounts

To mount the TV, purchase a Philips TV mount or a VESA-compatible TV mount. To prevent damage to cables and connectors, be sure to leave a clearance of at least 5.5 cm from the back of the TV.

Warning

- Follow all instructions provided with the TV mount. Koninklijke Philips Electronics N.V. bears no responsibility for improper TV mounting that results in accident, injury or damage.

TV screen size	VESA-compatible wall bracket type	
32"-37"	200 x 200 mm	M6
42"-47"	400 x 400 mm	M6 (42"), M8 (47")

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9 Troubleshooting

This section describes commonly encountered issues and accompanying solutions.

General TV issues

The TV does not switch on:

- Disconnect the power cable from the power outlet. Wait for one minute then reconnect it.
- Check that the power cable is securely connected.

The remote control is not working properly:

- Check that the remote control batteries are correctly inserted according to the +/- orientation.
- Replace the remote control batteries if they are flat or weak.
- Clean the remote control and TV sensor lens.

The standby light on the TV blinks red:

- Disconnect the power cable from the power outlet. Wait until the TV cools down before reconnecting the power cable. If the blinking reoccurs, contact Philips Consumer Care.

You forgot the code to unlock the child lock feature

- Enter '0711'.

The TV menu is in the wrong language

- Change the TV menu to your preferred language.

When turning the TV on/off/to standby, you hear a creaking sound from the TV chassis:

- No action is required. The creaking sound is normal expansion and contraction of the TV as it cools and warms up. This does not impact performance.

TV channel issues

Previously installed channels do not appear in the channel list:

- Check that the correct channel list is selected.

No digital channels were found during the installation:

- Check that the TV supports DVB-T or DVB-C in your country. See the listed countries on the back of the TV.

Picture issues

The TV is on, but there is no picture:

- Check that the antenna is properly connected to the TV.
- Check that the correct device is selected as the TV source.

There is sound but no picture:

- Check that the picture settings are correctly set.

There is poor TV reception from an antenna connection:

- Check that the antenna is properly connected to the TV.
- Loud speakers, unearthed audio devices, neon lights, high buildings and other large objects can influence reception quality. If possible, try to improve the reception quality by changing the antenna direction or moving devices away from the TV.
- If reception on only one channel is poor, fine tune this channel.

There is poor picture quality from connected devices:

- Check that the devices are connected properly.
- Check that the picture settings are correctly set.

The TV did not save your picture settings:

- Check that the TV location is set to the home setting. This mode offers you the flexibility to change and save settings.

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The picture does not fit the screen; it is too big or too small:

- Try using a different picture format.

The picture position is incorrect:

- Picture signals from some devices may not fit the screen correctly. Check the signal output of the device.

Sound issues

There is picture but no sound from the TV:

Note

- If no audio signal is detected, the TV automatically switches the audio output off — this does not indicate malfunction.

- Check that all cables are properly connected.
- Check that the volume is not set to 0.
- Check that the sound is not muted.

There is picture but sound quality is poor:

- Check that the sound settings are correctly set.

There is picture but sound comes from one speaker only:

- Verify that sound balance is set to the center.

HDMI connection issues

There are problems with HDMI devices:

- Note that HDCP support can delay the time taken for a TV to display content from a HDMI device.
- If the TV does not recognize the HDMI device and no picture is displayed, try switching the source from one device to another and back again.
- If there are intermittent sound disruptions, check that output settings from the HDMI device are correct.
- If a HDMI-to-DVI adaptor or HDMI to DVI cable is used, check that an additional audio cable is connected to **AUDIO L/R** or **AUDIO IN** (mini-jack only).

Computer connection issues

The computer display on the TV is not stable:

- Check that a supported resolution and refresh rate is selected on the computer.
- Set the TV picture format to unscaled.

Contact us

If you cannot resolve your problem, refer to the FAQs for this TV at www.philips.com/support.
If the problem remains unresolved, contact Philips Consumer Care in your country as listed in this user manua.

Warning

- Do not attempt to repair the TV yourself. This may cause severe injury, irreparable damage to your TV or void your warranty.

Note

- Make a note of your TV model and serial number before you contact Philips. These numbers are printed on the back of the TV and on the packaging.

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